

## IMPROVED GENERATOR MONITORING, CONTROL AND EFFICIENCY

### ABSTRACT OF THE DISCLOSURE

A system for generating electricity includes a generator and an interface. The generator is coupled to the interface and provides data to the interface regarding electricity generation. The interface is coupled to a control node for monitoring and controlling the generator. The control node may be coupled to the generator through a medium such as the internet. In some aspects of the invention, a continuous emissions monitoring system is provided for fossil-fuel based generators to enhance operation and reduce emissions of such generators.